

Manual Filter Wheels

Mounting Basics

Optical Rails

Mirror Mounts

Lens Mounts

Filter Mounts

Rotation Mounts

Adapters

V-Mounts

Apertures & Iris Diaphragms

Lens Tubes

Cage Systems



FW1A
Ø1", 6-Station Filter Wheel With Base



FW2B
Ø1/2", 24-Station Filter Wheel With Base

- Accommodates Ø1/2" and Ø1" Filters in 6, 12, and 24 Interchangeable Configurations
- SM05 (0.535"-40) and SM1 (1.035"-40) Threaded Stations Complete With Retaining Rings
- Mechanical Indexing Ensures Repeatability
- Labeled and Indexed Filter Positions
- Base and Post Mountable
- Extra Interchangeable Filter Wheels Available for Ø1" Filters

FW1AB
Ø1", Extra 6-Station Filter Wheel



The FW series of filter wheels provides a compact, convenient filter organizer complete with mechanical indexing for precise alignment and high repeatability. Three wheel options are provided to accommodate six Ø1" filters, 12 Ø1/2" filters, or up to 144 interchangeable configurations. The SM05 (0.535"-40) and SM1 (1.035"-40) threaded bores contain thin retaining walls that provide a solid stop for fastening filters while maintaining a large clear aperture. Each station is compatible with SM series lens tubes and adapters to further enhance the overall filtering capability of the units.

Common configurations of filter wheels include progressive ND or Chromatic filters, allowing for quick adjustment of optical intensity attenuation or wavelength range by simply indexing the wheel. Up to two filter wheels can exist on one base assembly allowing for combinations of up to 24 ND filters or chromatic filters, such as short and long-pass color filters. The modular design allows preloaded filter wheels to be easily interchanged in any optical system. The base plate provides two 1/4" (M6) through slots for flexible mounting on an optical table, plus it can be removed for post mounting in limited space requirements.



Compatible With
SM Series Lens Tubes
See Page 208

Ø1/2" and Ø1" Neutral Density Filters
See Pages 837-841



ITEM#	\$	£	€	RMB	DESCRIPTION
FW1A	\$ 132.30	£ 83.30	€123.00	¥ 1,263.50	Single Filter Wheel With Base, Holds 6 Ø1" Filter
FW2A	\$ 174.30	£ 109.80	€162.10	¥ 1,664.60	Dual Filter Wheel With Base, Holds 12 Ø1" Filters
FW1AB	\$ 72.50	£ 45.70	€ 67.40	¥ 692.40	Extra Filter Wheel, Holds 6 Ø1" Filters

ITEM#	\$	£	€	RMB	DESCRIPTION
FW2B	\$ 240.50	£ 151.50	€223.70	¥2,296.80	Dual Filter Wheel With Base, Holds 24 Ø1/2" Filters

Preloaded Filter Wheels



FW2AND
12-Station Dual Filter Wheel With 10 Neutral Density Filters



FW1ADF
6-Station Single Filter Wheel With Five Dichroic Color Filters

ADDED SAVINGS OVER BUYING THE INDIVIDUAL FILTERS

The FW1ADF Filter Wheel Assembly comes complete with a set of Ø1" dichroic color filters in a six-station filter wheel with base. It includes a red, green, blue, cyan, magenta, and yellow filter. Each filter is held in place in the SM1 (1.035"-40) threaded wheel with an SM1RR retaining ring.

The FW1AND and FW2AND Filter Wheel Assemblies come preloaded with a set of 5 or 10 Ø1" Absorptive Neutral Density (ND) filters of increasing attenuation. By combining 10 ND filters into a two-wheel assembly (FW2AND), optical intensities can be changed over a large dynamic range (1 – 108).

ITEM#	\$	£	€	RMB	DESCRIPTION
FW1AND ¹	\$ 325.50	£ 205.10	€ 302.70	¥ 3,108.50	Single Filter Wheel With Base, Preloaded With 5 Ø1" ND Filters
FW2AND ²	\$ 521.90	£ 328.80	€ 485.40	¥ 4,984.10	Dual Filter Wheel With Base, Preloaded With 10 Ø1" ND Filters
FW1ADF ³	\$ 231.00	£ 145.50	€ 214.80	¥ 2,206.10	Single Filter Wheel With Base, Preloaded with 6 Ø1" Dichroic Color Filters

¹ FW1AND Includes 0.5, 1, 2, 3, and 4 Absorptive Optical Density Filters

² FW2AND Includes 0.2, 0.3, 0.4, 0.5, 0.6, 1, 2, 3, and (2) 4 Absorptive Optical Density Filters

³ FW1ADF Includes Red, Green, and Blue Additive Filters and Cyan, Magenta and Yellow Subtractive Dichroic Filters